United States Patent [19] Krivak et al.			[11]	Patent Number:	4,717,561	
			[45]	Date of Patent:	Jan. 5, 1988	
[54]		ECIPITATED SILICA CARRIER FOR		[56] References Cited		
	VITAMINS		U.S. PATENT DOCUMENTS			
[75]	Inventors: Thomas G. Krivak, Akron, Ohio; Stanley A. Heimburger, Pittsburgh,		2,942,830 8/1985 Thornhill 423/339 4,603,143 7/1986 Schmidt 514/458 4,617,294 10/1986 Krivak et al. 514/52			
		Pa.; James T. Dew, Sulphur, La.	OTHER PUBLICATIONS			
[73]	Assignee:	PPG Industries, Inc., Pittsburgh, Pa.	Chemical Engineers' Handbook, 3rd Edition, 1950, p. 963.			
[21]	Appl. No.:	893,526	Primary Examiner—Gregory A. Heller Assistant Examiner—Lori S. Freeman Attorney, Agent, or Firm—Irwin M. Stein			
[22]	Filed:	Aug. 6, 1986	[57]	ABSTRACT		
	Related U.S. Application Data			Free flowing, substantially dust-free, dense granular amorphous precipitated silica having a principal parti-		
[62]	Division of Ser. No. 725,444, Apr. 22, 1985, Pat. No. 4,617,294.		cle size of between about 0.14 millimeters and about 0.84 millimeters are described. This material is particularly suitable as an inert carrier for water-soluble and fat soluble nutritional supplements, e.g., vitamins, which			
[51]	Int. Cl. ⁴ C01B 33/12		are added to feeds for livestock.			
[52]	U.S. Cl			CONTRACTOR NO. 12		
[58]	riela di 26	arch 423/335, 338, 339	6 Claims, No Drawings			